	•					
Г		2	3	4	5	King
	. CODE ANALYSIS	of To	TE SO		CESSIO	
					PROFESSION	Engineering,
D	APPLICABLE CODES  Year Year					Inc. 2825 E Cottonwood Parkway Salt Lake City, Utah 84121 Phone: 801.990.3170
	International Building Code 2006 National Electrical Code Uniform Code for				No. 179735	Fax: 801.990.3293
	International Plumbing Code Building Conservation International Fire Code ADA Accessibility Guidelines Guidelines				13 JON/E.   E	D Internet: www.pavementmanagement.com CREATED BY: KING ENGINEERING, INC.
		The state of Administrative Services			KING /*/	CREATED BT: KING ENGINEERING, INC.
	A. Occupancy and Group:	State of Utah-Department of Administrative Services			102	OFESSIO
	Chenge in Use: Yes No Mixed Occupency: Yes No Special Use and Occupency (e.g. High Rise, Covered Mall):	DIVISION OF FACILITIES CONSTRUCTION			TE OF UT	19 1
	B. Seismic Design Category: Design Wind Speed: mph	AND MANAGEMENT  4110 State Office Building/Salt Lake City. Utah 84114/638-3018  UTAH VALLEY STATE COLLEGE				1797a5
1	C. Type of Construction (circle one):			į.		NATHAN (E.) Z
-	Fire Resistance Rating Requirements for the Exterior Walls based on the fire separation distance (in hours):  VAULT IMPROVEMENTS		SHEET N	IUMBERING	TE OF UTAK	
	separation distance (in hours):  North: South: West:	• • • • • • • • • • • • • • • • • • • •		SHEET NAME		
	E. Mixed Occupancies: Nonseparated Uses:	DFCM PROJECT I	VO. 07199790 P3	G-001 TITLE SHEET C-101 TRAPDOOR LIF	AND SHEET INDEX T REPLACEMENT	SITE/LOCATION:
	F: Sprinklers:			E0.01 GENERAL NO	TES, ELECTRICAL SYMBOLS	UTAH VALLEY
	Required: Provided: Type of Sprinkler System:			E2.11 VAULT FLOO MOO1 MECHANICAL O	JR PLAN _EGEND	STATE COLLEGE
	G: Number of Stories: Building Meight:			M002 MECHANICAL	GENERAL NOTES	
	Tabular Area:			ME102 MECHANICAL	GROUND LEVEL PLAN	
	J: Area Modifications:	r utah valley stati	E COLLEGE	ME601 MECHANICAL ME602 MECAHNICAL		
	$_{4)}A_{a} = A_{1} + \left[\frac{A_{1} I_{c}}{400}\right] + \left[\frac{A_{1} I_{c}}{400}$		TY PARKWAY	7,200		İ
	[100][100]	OREM, UTAH				
ı						PROJECT TITLE:
	b) Sum of the Ratio Calculations for Mixed Occupancies:					UVSC VAULT
L	Actual Area Allowable Area					- IMPROVEMENTS
		UTAH				
l	c) Total Allowebie Area for: 1) One Story:			/ A) .		į
١	2) Two Story: A <sub>a</sub> (2)			CONSTR	an A	
	3) Three Story: A <sub>8</sub> (3) d) Unlimited Ares Building: Yes No Code Section:	10 2 2 1 0 8 B				
	Fira Resistance Rating Requirements for Building Elements (hours).	SALT				
١,	Assembly Eugen House Assembly				EXISTING IRRIGATION	В
-   '	Exterior Searing Walte Floors - Ceiling Floors	Suches Hand			PUMP VAULT	
-	Exterior Non-Bearing Waits Exterior Doors and Windows Structural Frame Shart Endosumes				LIFT REPLACEMENT	
1	Parbitions - Permanent Fire Walls Fire Barriers Fire Barriers Smoke Partitions				AIR HANDLER INSTALLATION ELECTRICAL IMPROVEMENTS	
1				7 11 010		MARK DATE DESCRIPTION
-	L. Design Occupant Load:					ISSUE TYPE: BID DOCUMENTS
	Exit Width Required: Exit Width Provided:		The state of the s		The second secon	ISSUE DATE: JANUARY 22, 2008
-	M. Minimum Number of Required Plumbing Facilities:					DFCM PROJECT NO: 07199790 P3 CAID PROJECT NO:
1	a) Water Closets - Required (m) (f) Provided (m) (f) b) Lavatories - Required (m) (f) Provided (m) (f)		1200 SCLITY	LEGY WOLVE	11	CAD DWG FILE: KEIII7NCSSHEET DWG DRAWN BY: JEK
ı	c) Bath Tubs or Showers: d) Drinking Fountains: Service Sinks:	STAVES SAF JULE			<b>\\</b>	CHK'D BY: JEK COPYRIGHT:
-		A PRIVERED CONTRACTOR			To The second se	SHEET TITLE
l	FOOTNOTES:  1) In case of conflict with the U.S. Department of Justice Federal Registers Parts I		\\		1300 25UTH	TITLE SHEET
	through Y - ADA Guidelines and specific reference to the International Building Code Accessibility Chapters, the more restrictive requirement shall govern.	TANKING TON			Separation of the Control of the Con	A
1	A 2) Additional Code information shall be provided at the discretion of the Building Official for Complex Buildings. Including, but not limited to:					
1	a) High Rise Requirements.		, 00 A TIO	\ \		SHEET NUMBER
	b) Africans. c) Performance Based Criteria. d) Means or Egress Analysis.	VICINITY MAP	LOCATIC	IN MAP		G-001
	e) Fire Assembly Location Sheet. f) Exterior and Interior Accessibility Route.				NORTH	J G-001
	g) Fire Stopping, Including Tested Design Number.		3	4	5	SHEET 1 OF 10
			e de la companya del companya de la companya del companya de la co	- I		

2825 E Cottonwood Parkway Salt Lake City, Utah 84121 Fax: 801.990.3293

Internet: www.psycmentmanagement.com

CREATED BY: KING ENGINEERING, INC.



SITE/LOCATION:

**UTAH VALLEY** STATE COLLEGE

PROJECT TITLE:

**UVSC VAULT IMPROVEMENTS** 

В

 $\mathbf{C}$ 

MARK DATE DESCRIPTION ISSUE TYPE: BID DOCUMENTS

ISSUE DATE: JANUARY 22, 2008

DFCM PROJECT NO: 07199790 P3 CAD PROJECT NO: CAD DWG FILE: C-101.DWG DRAWN BY: AD CHIK'D BY: JEK

COPYRIGHT: SHEET TITLE

> TRAPDOOR LIFT REPLACEMENT

SHEET NUMBER

SHEET 2 OF 10

## TRAPDOOR LIFT REPLACEMENT UVSC OREM CAMPUS

TRAPDOOR LIFT REPLACEMENT AT EXISTING PUMP VAULT.

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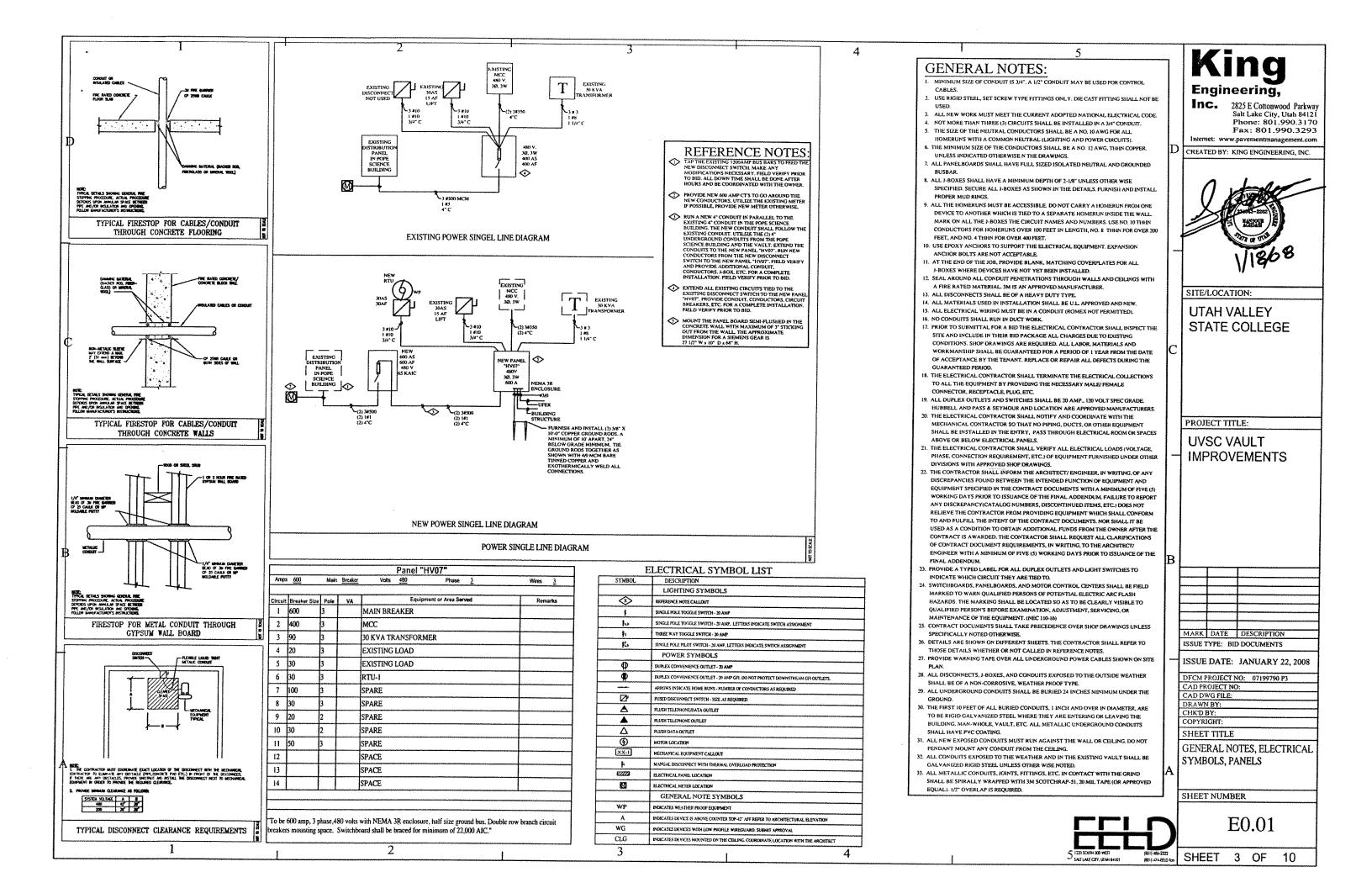
- 1. THE CONTRACTOR SHALL COMPLETELY DISCONNECT, REMOVE AND DISPOSE OF THE EXISTING FLOR TRAP DOOR (SIDEWALK TYPE)LIFT IN THE EXISTING PUMP VAULT. THE REMOVALS SHALL INCLUDE THE LIFT MECHANISM, MOTOR, CONTROL PANEL, ETC. THE CONTRACTOR SHALL LEAVE THE TRAP DOOR.
- 2. THE CONTRACTOR SHALL FURNISH AND INSTALL A REPLACEMENT LIFT WITH A PLATFORM SIZE OF 34" X 60 " (MATCHING THE EXISTING). THE APPROXIMATE RISE OF THE LIFT FROM THE FLOOR OF THE VAULT TO THE BOTTOM OF THE TRAPPOOR IS 11' 3 1".
- 3. THE CONTRACTOR SHALL VERIFY ALL LIFT DIMENSIONS INCLUDING THE PLATFORM SIZE, MACHINE AND POWER FOOTPRINT AND VERTICAL RISE (DISTANCE FROM FLOOR OF EXISTING VAULT TO TOP OF EXISTING TRAPDOOR) BEFORE ORDERING REPLACEMENT. THE CONTRACTOR SHALL PROVIDE AND INSTALL A REPLACEMENT LIFT THAT SHALL FIT WITHIN THE ALLOWABLE SPACE AND TYPE OF POWER AVAILABLE.
- 4. THE REPLACEMENT LIFT SHALL HAVE A MAXIMUM LIFT CAPACITY OF 2000 POUNDS OR 1 TON.
- 5. THE REPLACEMENT LIFT SHALL BE OPERATED BY A 208 VOLT SINGLE PHASE 60 HERTZ MOTOR.
- 6. THE REPLACEMENT LIFT SHALL HAVE "CONSTANT PRESSURE" CONTROLS SO OPERATOR MUST KEEP BUTTON DEPRESSED FOR FULL
- 7. THE REPLACEMENT LIFT SHALL BE MANUFACTURED AND INSTALLED SUCH THAT THE EXISTING TRAP DOOR AUTOMATICALLY OPENS AS LIFT AND LOAD APPROACHES ITS LEVEL. THE LIFT AND PLATFORM SHALL BE CONFIGURED SUCH THAT ANY LOAD PLACED ON THE PLATFORM SHALL NOT IMPACT AGAINST THE UNDERSIDE OF THE TRAP DOOR BEFORE IT IS OPENED. THE REPLACEMENT LIFT SHALL AUTOMATICALLY STOP AT THE TRAPDOOR LEVEL.
- 8. POWER TO THE REPLACEMENT LIFT SHALL BE CAPABLE OF BEING TURNED OFF AND LOCKED OUT TO AVOID ANY UNAUTHORIZED OPERATION OR ACCIDENTS.
- 9. THE FOLLOWING COMPANIES ARE APPROVED SUPPLIERS OF TRAP DOOR (SIDEWALK TYPE) LIFTS. THE CONTRACTOR MAY CONTACT OTHER SUPPLIERS AT HIS DISCRETION.

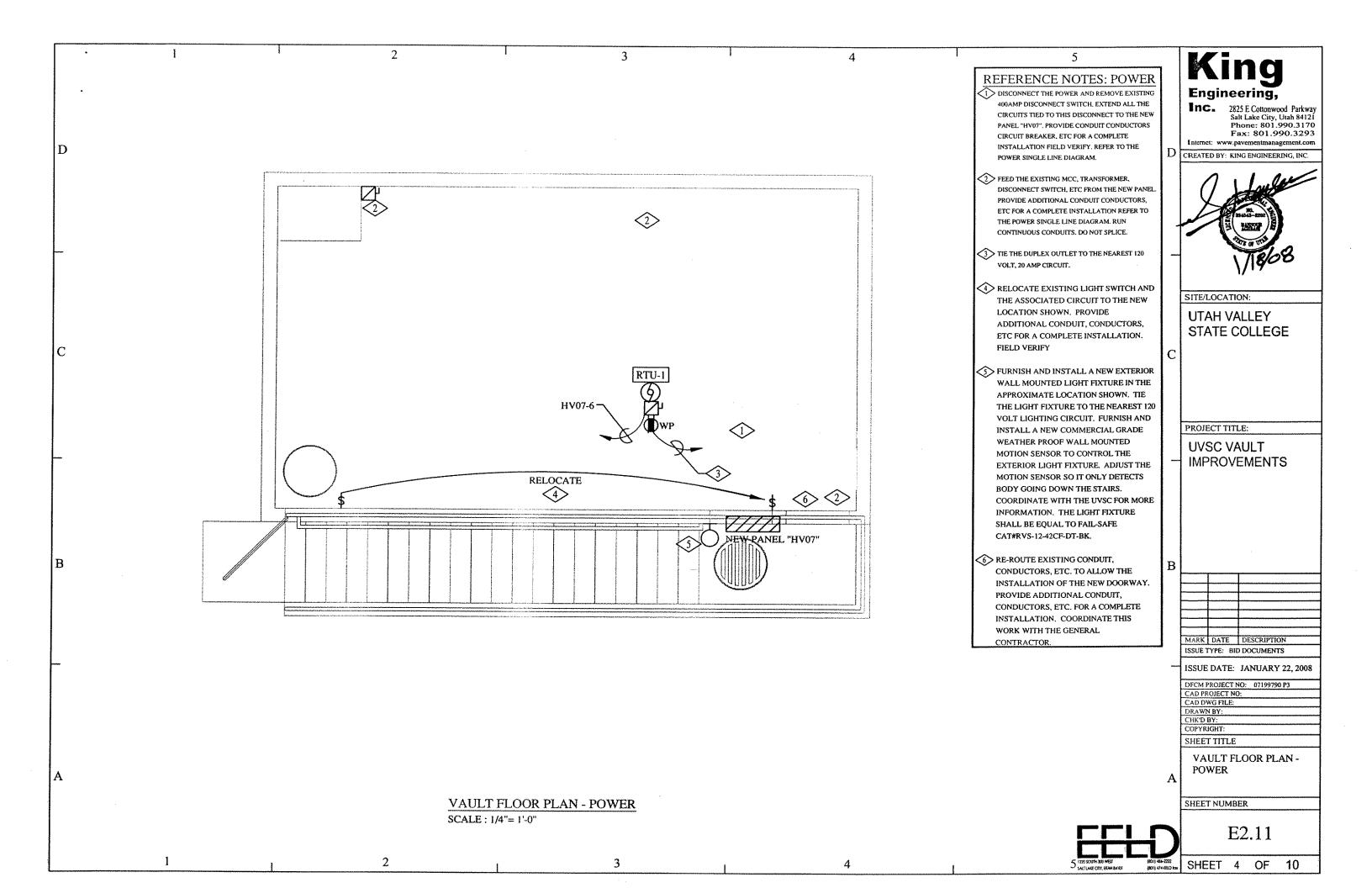
FLORLIFT 1-800-752-5438 NEWARK, N.J.

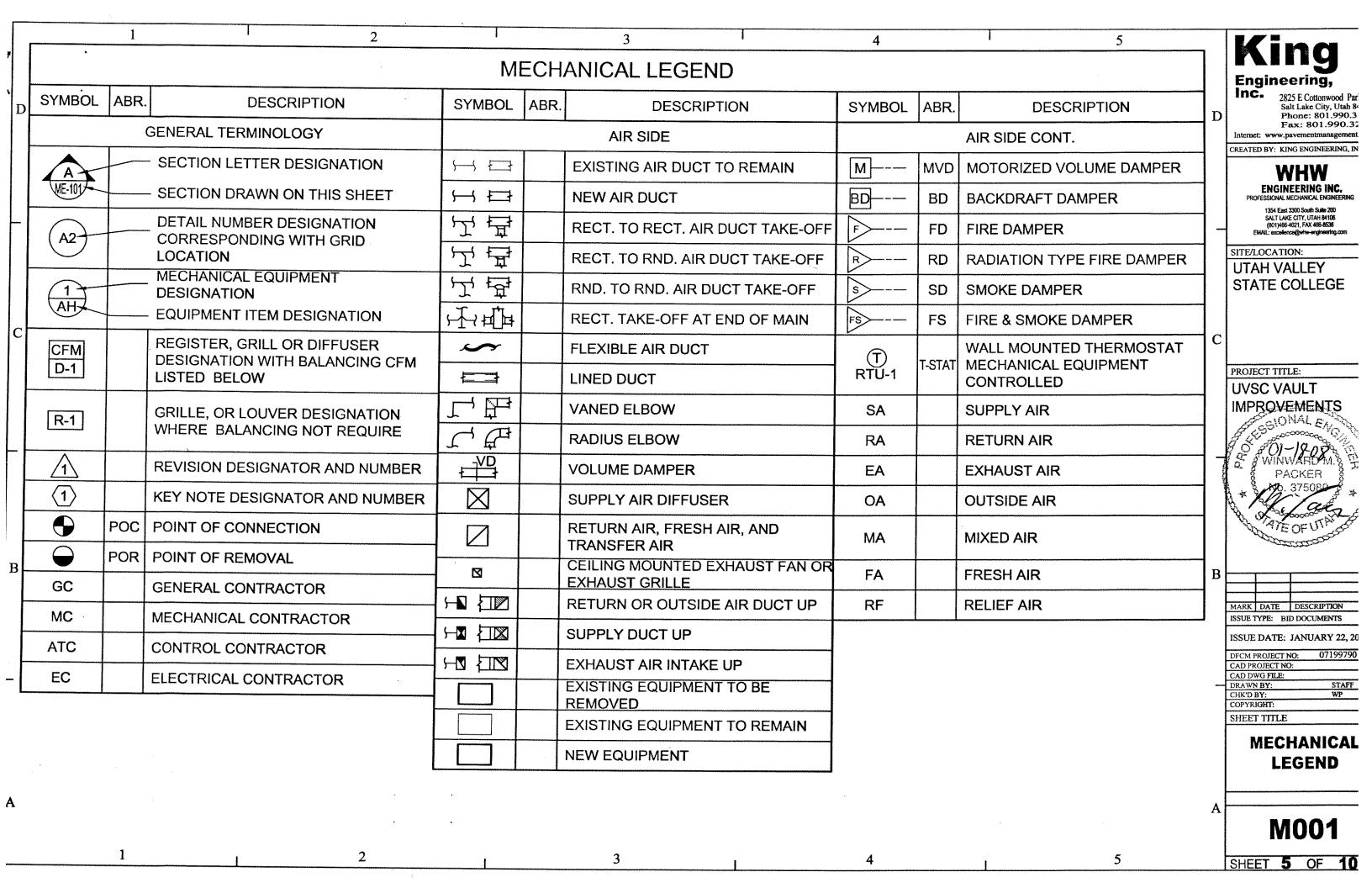
GIANT LIFT EQUIPMENT MFG. CO. INC. 1-800-52-GIANT NORTH HAMPTON, NH

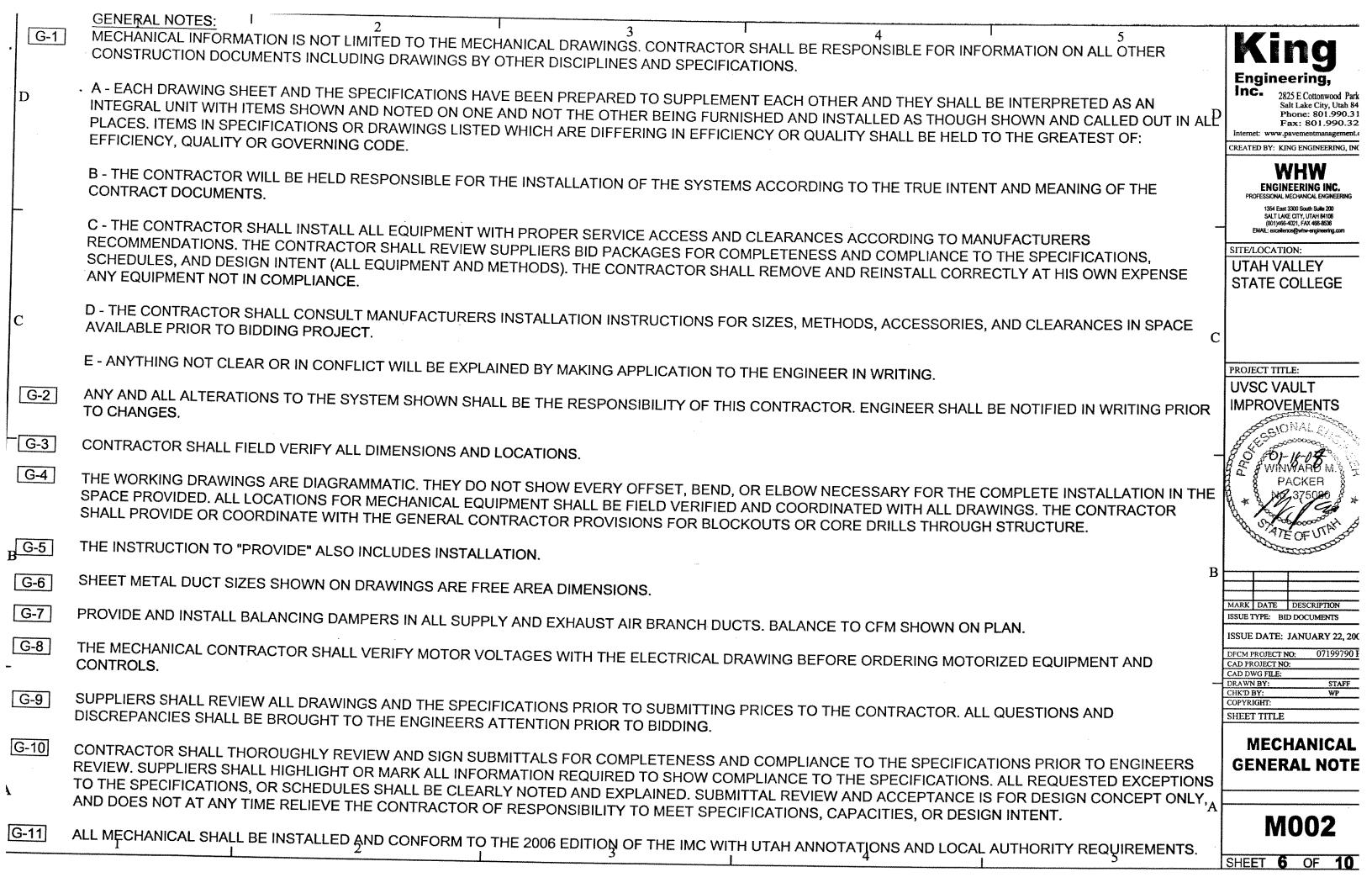
GILLESPIE CORPORATION 1-413-967-4980 WARE, MA

5









2 STRUCTURAL NOTES FOR &C: 5 SHEET NOTES: THE EXISTING SLAB IS SPECIFIED AS A 10" CONCRETE SLAB COORDINATE WITH GC TO LOCATE REINFORCED WITH A BOTTOM MAT OF #6 @ 12"OC IN THE Engineering, POSITION OF SA AND RA DROPS WITH SHORT DIRECTION AND #4@ 12"OC IN THE LONG DIRECTION, D Salt Lake City, Utah 8 Phone: 801.990.3 STRUCTURAL NOTES ON THIS SHEET AND A TOP MAT OF #4 AT 10"OC IN EACH DIRECTION. AND EXISTING CONDITIONS AT VAULT Fax: 801.990.32 2 THE LOCATION OF THE #6 AT 12"OC MUST BE LOCATED BY CEILING LINE. CREATED BY: KING ENGINEERING, IN NON-DESTRUCTIVE TESTING, I.E. X-RAYS OR ULTRASOUND. PROVIDE SCREEN OVER SUPPLY 3 THE 18" WIDE PENETRATIONS FOR THE SA AND RA SHALL BE OPENING INTO VAULT. ENGINEERING INC. CENTERED BETWEEN THE #6 BARS SO THAT ONLY ONE BAR IS COORDINATE EXACT LOCATION OF CUT. SALT LAKE CITY, UTAH 8410 (801)166-4021, FAX 466-8536 THERMOSTAT WITH USER AND NO OVER CUTS ARE ALLOWED FOR THESE SLAB **EXISTING CONDITIONS.** SITE/LOCATION: PENETRATIONS. THE CORNERS OF THESE PENETRATIONS **UTAH VALLEY** TRANSITION AS REQUIRED IN ROOF SHALL BE CORE DRILLED AND CHIPPED SQUARE AS TOP UNIT CURB. STATE COLLEGE REQUIRED FOR THE SA/RA. **EXISTING VAULT** PROJECT TITLE: (1)18/18 RA DROP UVSC VAULT 18/24 SA DROP $\langle 1 \rangle \langle 2 \rangle$ IMPROVEMENTS (1)18/18 RA DROP  $\langle 4 
angle$ **EXISTING MANHOLE** R-1 MARK DATE DESCRIPTION ISSUE TYPE: BID DOCUMENTS T RTU-1 ISSUE DATE: JANUARY 22, 200 DFCM PROJECT NO: CAD DWG FILE: STAFF DRAWN BY HK'D BY: SHEET TITLE **MECHANICAL VAULT** PLAN MECHANICAL VAULT PLAN SCALE: 1/4" = 1'-0" **ME101** 5 SHEET 7 OF 10

2 5 STRUCTURAL NOTES FOR GC: SHEET NOTES: THE EXISTING SLAB IS SPECIFIED AS A 10" CONCRETE SLAB Engineering, APPROXIMATE LOCATION OF RTU. REINFORCED WITH A BOTTOM MAT OF #6 @ 12"OC IN THE **EXACT POSITION TO BE DETERMINED** Salt Lake City, Utah 84 SHORT DIRECTION AND #4@ 12"OC IN THE LONG DIRECTION, BY LOCATIONS OF REBAR IN Phone: 801.990.31 AND A TOP MAT OF #4 AT 10"OC IN EACH DIRECTION. CONCRETE. SEE STRUCTURAL NOTES. 2 THE LOCATION OF THE #6 AT 12"OC MUST BE LOCATED BY CREATED BY: KING ENGINEERING, INC COORDINATE WITH GC TO MODIFY NON-DESTRUCTIVE TESTING, I.E. X-RAYS OR ULTRASOUND. LANDSCAPING TO ACCOMMODATE NEW ENGINEERING INC. RTU AND CURB. THE 18" WIDE PENETRATIONS FOR THE SA AND RA SHALL BE CENTERED BETWEEN THE #6 BARS SO THAT ONLY ONE BAR IS SALT LAKE CITY, UTAH 84106 (801)466-4021, FAX 488-8536 CUT. NO OVER CUTS ARE ALLOWED FOR THESE SLAB SITE/LOCATION: UTAH VALLEY PENETRATIONS. THE CORNERS OF THESE PENETRATIONS STATE COLLEGE SHALL BE CORE DRILLED AND CHIPPED SQUARE AS REQUIRED FOR THE SA/RA. **EXISTING VAULT** PROJECT TITLE: **UVSC VAULT IMPROVEMENTS EXISTING MANHOLE** B MARK DATE DESCRIPTION ISSUE TYPE: BID DOCUMENTS ISSUE DATE: JANUARY 22, 200 DFCM PROJECT NO: CAD DWG FILE: DRAWN BY: COPYRIGHT SHEET TITLE **MECHANICAL GROUND LEVE PLAN** MECHANICAL GROUND LEVEL PLAN **ME102** SCALE: 1/4" = 1'-0" 3 SHEET 8 OF 10

